

Title (en)

PACKAGING MACHINE SYSTEM FOR FILLING PRIMARY AND SECONDARY PRODUCTS INTO A CONTAINER

Title (de)

VERPACKUNGSMASCHINENSYSYSTEM ZUM FÜLLEN EINES BEHÄLTERS MIT PRIMÄREN UND SEKUNDÄREN PRODUKTEN

Title (fr)

SYSTEME DE MACHINE DE CONDITIONNEMENT DESTINE A REMPLIR UN RECIPIENT AVEC DES PRODUITS PRIMAIRE ET SECONDAIRE

Publication

EP 0781227 A2 19970702 (EN)

Application

EP 95933767 A 19950911

Priority

- US 9511467 W 19950911
- US 31524694 A 19940929

Abstract (en)

[origin: WO9609957A2] A fill system for use in a packaging machine is disclosed for filling a container with a primary and a secondary product. The fill system includes a primary pump system for pumping a predetermined amount of the primary product received at an inlet thereof to an outlet thereof. A primary fill pipe having an outlet overlying a container processing path along which the containers are filled and sealed by the packaging machine is connected to receive the predetermined amount of primary product from the outlet of the primary pump system. The container processing path lies generally perpendicular to the primary fill pipe. A nozzle is connected at the outlet of the fill pipe. The fill system further includes a secondary pump system for pumping a predetermined amount of the secondary product received at an inlet thereof to an outlet thereof. A secondary fill pipe is connected to receive the predetermined amount of secondary product from the outlet of the secondary pump means. The secondary fill pipe is concentrically disposed in the primary fill pipe and has an outlet that likewise overlies the container processing path. A valve mechanism is disposed, for example, concentrically within the secondary fill pipe and includes a sealing member positioned at the outlet of the secondary fill pipe. The sealing member is operable to control the flow of the secondary product from the secondary fill pipe. Operation of the fill system may be user controlled by a user interface and control system.

IPC 1-7

B65B 3/32; **B65B 39/00**

IPC 8 full level

A23C 9/15 (2006.01); **B65B 3/32** (2006.01); **B65B 39/00** (2006.01); **B67C 3/02** (2006.01); **G05B 15/02** (2006.01)

CPC (source: EP)

A23C 9/1508 (2013.01); **A23C 9/1516** (2013.01); **B65B 3/326** (2013.01); **B65B 39/00** (2013.01); **B65B 39/004** (2013.01); **B65B 2039/009** (2013.01); **B65B 2210/08** (2013.01)

Citation (search report)

See references of WO 9609957A2

Designated contracting state (EPC)

DE ES GB IE IT NL

DOCDB simple family (publication)

WO 9609957 A2 19960404; **WO 9609957 A3 19960606**; AU 3629395 A 19960419; AU 689960 B2 19980409; BR 9509113 A 19980714; CA 2201290 A1 19960404; DE 69511419 D1 19990916; DE 69511419 T2 20000120; DE 69518549 D1 20000928; DE 69518549 T2 20010111; DE 69532387 D1 20040205; DE 69532387 T2 20040603; EP 0781227 A2 19970702; EP 0781227 B1 19990811; EP 0858947 A1 19980819; EP 0858947 B1 20000823; EP 0864494 A1 19980916; EP 0864494 B1 20040102; ES 2136308 T3 19991116; JP 3712731 B2 20051102; JP H10506865 A 19980707; MX 9702343 A 19970731; NO 315362 B1 20030825; NO 972649 D0 19970609; NO 972649 L 19970626; NZ 293771 A 19980924; NZ 330709 A 19990128; RU 2125004 C1 19990120

DOCDB simple family (application)

US 9511467 W 19950911; AU 3629395 A 19950911; BR 9509113 A 19950911; CA 2201290 A 19950911; DE 69511419 T 19950911; DE 69518549 T 19950911; DE 69532387 T 19950911; EP 95933767 A 19950911; EP 98107016 A 19950911; EP 98107017 A 19950911; ES 95933767 T 19950911; JP 51180696 A 19950911; MX 9702343 A 19950911; NO 972649 A 19970609; NZ 29377195 A 19950911; NZ 33070995 A 19950911; RU 97107615 A 19950911